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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO	
10/579,555	05/16/2006	Nikolai Mykola Ignatyev	MERCK-3164 3578	
	7590 07/28/200 TE, ZELANO & BRA	EXAMINER		
2200 CLAREN		SHIAO, REI TSANG		
SUITE 1400 ARLINGTON,	VA 22201	ART UNIT	PAPER NUMBER	
			1626	
			MAIL DATE	DELIVERY MODE
			07/28/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Applica	tion No.	Applicant(s)			
		10/579	,555	IGNATYEV ET AL.			
		Examin	er	Art Unit			
		REI-TS/	ANG SHIAO	1626			
Period fo	The MAILING DATE of this commur or Reply	nication appears on t	he cover sheet with the	correspondence addre	ess		
A SH WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MANAGER IS LONGER, FROM THE MANAGER IS LONGER, FROM THE MANAGER IS LONGER IS LONGER IN THE MANAGER IN THE MANAGER IN THE MANAGER IS LONGER IN THE MANAGER IN THE	MAILING DATE OF sof 37 CFR 1.136(a). In no munication. tatutory period will apply and will, by statute, cause the a	THIS COMMUNICATIC event, however, may a reply be to distribute when some size of the state of the state of the distribute of the state	DN. timely filed m the mailing date of this comr IED (35 U.S.C. § 133).			
Status							
	Responsive to communication(s) file	ed on 05 June 2008	,				
2a)□	Responsive to communication(s) filed on <u>05 June 2008</u> . This action is FINAL . 2b) This action is non-final.						
3)□		<i>'</i> —		rosecution as to the m	nerits is		
الله ال	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims	•	,				
· · ·		application					
•	☐ Claim(s) 1-16 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
· · _ ·	5) Claim(s) is/are allowed.						
·	Claim(s) <u>1-16</u> is/are rejected. Claim(s) is/are objected to.						
•	Claim(s) are subject to restri	ction and/or election	ı requirement				
		otion and/or dicotion	roquiromoni.				
Applicati	on Papers						
<i>,</i> —	The specification is objected to by th						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any object		· -				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (I nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>5/16/2006</u> .	PTO-948)	4) Interview Summar Paper No(s)/Mail I 5) Notice of Informal 6) Other:				

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DETAILED ACTION

1. This application claims benefit of the foreign application:

GERMANY 103 53 758.9 with a filing date 11/17/2003.

2. Amendment of claims 2-15 and addition of claim 16 in the amendment filed on June 05, 2008b is acknowledged. Claims 1-16 are pending in the application. No new matter has been found. Since the newly added claim 16 is commensurate with the scope of the invention, claims 1-16 are prosecuted in the case.

Information Disclosure Statement

3. Applicant's Information Disclosure Statement filed on May 16, 2006 has been considered. Please refer to Applicant's copy of the 1449 submitted herein.

Responses to Election/Restriction

4. Applicant's election with traverse of election of Group I claims 1-15, in part, in the reply filed on June 05, 2008 is acknowledged. The traversal is on the grounds that the Examiner is invited to suggest specific materials which he or she believes are contained in Group II. This is found persuasive, and the restriction requirement dated 5/05/2008 has been withdrawn herein.

Claims 1-16 are pending in the application. The scope of the invention of the elected subject matter is as follows.

Claims 1-16 are drawn to processes of making bis(perfluoroalkyl)-phosphinate anion thereof, and their methods of use.

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Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2 and 15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 recites the limitation "X denotes or" and "where R'=non-" is indefinite and ambiguous, see line 9 on page 2 and line 11 on page 3 respectively. It is unclear what the limitation of the variable X or R' is. Clarification is required.

Claim 15 recites the limitation "a plasticizing effect " is indefinite and ambiguous, see line 1. It is unclear what the limitation "a plasticizing effect " is. Clarification is required.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in Graham v. John Deere Co., 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pavlenko et al. CAS: 111:194893.

Applicants claim a process of making bis(perfluoroalkyl)-phosphinate anion by reacting tris(perfluoroalkyl) phosphine oxide with an alcohol and an organic base, see claim 1.

Determination of the scope and content of the prior art (MPEP §2141.01)

Pavlenko et al. disclose a process of making bis(perfluoroalkyl)-phosphinate by reacting tris(perfluoroalkyl) phosphine oxide in the presence of methanol (i.e., an alcohol), see RX(10).

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<u>Determination of the difference between the prior art and the claims (MPEP</u>

The difference between instant claims and Pavlenko et al. is that Pavlenko et al.

is silent on the base used in the instant processes. Pavlenko et al. processes inherently

render obviousness with the instant invention. However, the Courts have decided per *In*

re Boesch, 205 USPQ 215 (1980), that the optimization of variables, such as pH (i.e.,

using base) and molar ratios, in a known process is prima facie obvious. Therefore, the

claimed process would have been suggested to one skilled in the art. to that which is

claimed in the reference.

Finding of prima facie obviousness-rational and motivation (MPEP §2142-2143)

One having ordinary skill in the art would find the claims 1-16 prima facie obvious

because one would be motivated to employ the processes of Pavlenko et al. to obtain

instant claimed processes, wherein bis(perfluoroalkyl)-phosphinate anions are obtained

by reacting tris(perfluoroalkyl) phosphine oxide in the presence of an alcohol and an

organic base. Dependent claims 2-16 are also rejected along with claim 1 under 35

U.S.C. 103(a).

The motivation to make the claimed compounds derived from the known

processes of Pavlenko et al. would possess same yields to that which is claimed in the

reference.

Conclusion

Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Rei-tsang Shiao whose telephone number is (571) 272-0707. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph K. McKane can be reached on (571) 272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/REI-TSANG SHIAO /

Rei-tsang Shiao, Ph.D. Primary Patent Examiner Art Unit 1626

July 22, 2008